HYGIENETECH
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August 1, 2008

California State Board of Equalization
450 N Street
Sacramento, California 94279

Document No. 20803001.5

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
4TH Floor

Dear Mr. Gau:

On various dates in March and April of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 4TH Floor of the California State Board of Equalization building located at the above mentioned address. At the time of the survey, various samples were collected and direct-reading instruments were used to assess the general indoor air quality, with a clear emphasis on establishing fungal growth exposure potential data. I have enclosed our report, which included general observations, sample and direct-reading results, a discussion of the data, conclusions, and recommendations.

If you have any comments or questions regarding the information contained in this report, please do not hesitate to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Brian P. Daly, CIH, PE
President

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LIMITED INDOOR AIR QUALITY SURVEY

450 N STREET – 4TH FLOOR
SACRAMENTO, CALIFORNIA

PREPARED FOR:

CALIFORNIA STATE BOARD OF EQUALIZATION
450 N STREET
SACRAMENTO, CALIFORNIA

PREPARED BY:

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.
3625 DEL AMO BOULEVARD, SUITE 180
TORRANCE, CALIFORNIA

AUGUST 1, 2008

1.0 BACKGROUND

On various dates in March and April of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 4th Floor of the California State Board of Equalization Building located at 450 N Street in Sacramento, California. During the survey, a variety of samples were collected and direct-reading instruments were used to assess the general indoor air quality on the 4TH Floor of the subject building. Various air and surface samples were collected in order to assess fungal growth exposure potentials and to establish fungal growth assessment information on selected building material surfaces. In addition, air samples were collected throughout the floor for fibrous dust, microbial volatile organic compounds (MVOCs), and total dust analysis and direct-reading instruments were used to determine airborne volatile organic compounds (VOCs), carbon dioxide (CO_2), ozone (O_3), air temperature, and relative humidity.

2.0 OBSERVATIONS

The interior building materials of the 4TH Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal window sills; metal doorjambs and door frames; painted gypsum board walls in the general work areas; tile covered walls and painted gypsum board ceilings in the restrooms; suspended 2' by 4' ceiling tiles in the general work areas; vinyl cove base; carpet flooring in the general work areas; and ceramic or vinyl tile flooring in the restrooms and break rooms.

The furnishings in the surveyed areas included desks, upholstered chairs, shelves, fabric covered cubicles, office supplies, computers, and other electronic office equipment. The furnishings did not appear to support fungal growth, nor did they appear to have been affected in any other manner by water intrusion. However, be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers.

3.0 SAMPLING AND ANALYSIS

Air samples were collected and subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. Other samples were collected for airborne fibers, MVOCs, and total dust determinations using SKC® brand Airchek® 52 sampling pumps and the appropriate sampling media. Pump flow rates were established and verified using a BIOS DryCal DC-Lite primary flow meter. Those samples were collected and analyzed along with blanks (identical sampling media through which no air was drawn), when necessary, at laboratories accredited by the American Industrial Hygiene Association (AIHA) through successful participation in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program. Direct-reading instruments were used to determine airborne O_3 and VOC levels, the results of which appear in Table 20803001-137 in Appendix A of this report. A discussion of the airborne CO_2 data, along with air temperature and relative humidity results, appears in Section 4.0 of this report. Additional information concerning the specific sampling and analytical methods appears below.

3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.1 Airborne Total Fungi

Air samples for airborne total (viable and nonviable) fungi determinations were collected using a Zefon brand Bio-Pump™ equipped with Allergenco-D™ cassettes. All such samples were collected at various indoor locations and two samples were collected outdoors on each applicable survey date for comparison purposes. The resultant data, which are presented in spores per cubic meter of air (spores/M^3), appear in Table 20803001-131.

3.2 Airborne Viable Fungi

Air samples for airborne viable fungi determinations were collected on malt extract agar (MEA) using a Gast brand high volume air-sampling pump equipped with an Aerotech 6™ Single Stage Bioaerosol Sampler. Two outdoor samples were also collected on the applicable survey date for comparison purposes. The media was incubated prior to enumeration of colony-forming units per agar plate and the resultant data, presented in colony forming units per cubic meter of air (CFU/ M^3), can be found in Table 20803001-132.

3.3 Surface Fungal Growth Potentials

Surface samples were collected for fungal growth assessment using Zefon brand Bio-Tape™ surface samplers. Additionally, surface fungi samples were collected from various heating, ventilating, and air conditioning (HVAC) supply air register surfaces using Healthlink® Transporters™ (Rayon tipped swabs immersed in 0.5 ml modified Stuart's transport medium). These data are presented in Table 20803001-133.

3.4 Airborne Fibrous Dust

Area air samples for fibrous dust were collected at stationary locations on 25-millimeter diameter, 0.8-micrometer pore size, mixed cellulose ester filters. The samples were analyzed by phase contrast microscopy (PCM) in accordance with the NIOSH Method 7400. These data are presented in fibers per cubic centimeter (f/cc) of air in Table 20803001-134.

3.5 Airborne Total Dust

Area air samples for total dust determination were collected at stationary locations on filter cassettes containing pre-weighed 37-millimeter diameter, polyvinyl chloride filters having a pore size of five micrometers. The samples were analyzed by gravimetric method in accordance with the NIOSH Method 0500. These data are presented in milligrams per cubic meter of air (mg/M^3) and appear in Table 20803001-135.

3.6 Microbial Volatile Organic Compounds

Area samples for MVOCs were collected on solid sorbent tubes equipped with Sagelock fittings. The samples were analyzed by gas chromatography/ mass spectrometry, modified for MVOCs following the AIHA field guide. These data are presented in mg/M^3 and appear in Table 20803001-136.

3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.7 Airborne Volatile Organic Compounds

Direct-reading air measurements for VOCs were also recorded at various locations on the 4TH Floor using a RAE Systems, Inc. Mini-RAE 2000 photoionization detector, which is capable of detecting a wide variety of unsaturated hydrocarbons at airborne concentrations ranging from 0.1 to 10,000 parts per million (ppm). Prior to the survey, this instrument was calibrated using a 100-ppm isobutylene gas standard. These data are presented in parts per million (ppm).

3.8 Airborne Ozone

Direct-reading air measurements for O_3 were recorded at various locations using a Dräger colorimetric detector tube apparatus with the appropriate detector tubes. The data are presented in ppm.

3.9 Airborne Carbon Dioxide

Direct-reading air measurements for airborne CO_2 concentration was recorded at a stationary location using a Telaire® 7001 Carbon Dioxide and Temperature Monitor along with the HOBO® data logger. The data are presented in ppm.

3.10 Air Temperature and Relative Humidity

Air temperature and relative humidity data were recorded at a stationary location using a Telaire® 7001 Carbon Dioxide and Temperature Monitor along with the HOBO® data logger.

4.0 DISCUSSION

4.1 Airborne Total Fungi

The airborne total fungi data showed common spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Oidium*, other brown, rusts, and/or smuts, with basidiospores predominating in both samples. Indoors, the ambient data showed low airborne concentrations of common fungal spores that included one or more of the following: basidiospores, *Bipolaris/Drechslera* group, *Chaetomi*um, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Epicoccum*, *Nigrospora*, other brown, *Pithomyces*, rusts, smuts, and/or *Torula*. Indoors, the distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall data recorded outdoors. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.0 DISCUSSION (CONTINUED)

4.2 Airborne Viable Fungi

The viable fungi data recorded outdoors showed overall levels of 212 CFU/M^3 and 301 CFU/M^3 in the two samples collected, with *Cladosporium* predominating in both. Indoors, fungi were not detected at or above the laboratory analytical detection limit of 18 CFU/M^3. Again, the data recorded were unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.3 Surface Fungal Growth Potentials

The surface assessment data involving the samples collected from various cubicle partitions surfaces throughout the 4TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, the surface assessment data recorded from the HVAC supply air registers indicated many loose *Alternaria* spores on one of the eight locations sampled. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

4.4 Airborne Fibrous Dust

The data recorded in the surveyed areas indicated that airborne fibrous dusts were either not detected at or above the laboratory detection limit of 0.004 f/cc or were detected at 0.005 f/cc. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data, which are expected to represent employee *exposure potentials* to fibers of various types, including man-made and natural mineral fibers, cellulosics (paper or wood composition), gypsum, and other fibrous dusts common in the environment, are well below the current Cal-OSHA 8-hour TWA PEL for asbestos fibers of 0.1 f/cc, the most restrictive exposure limit for fibrous dusts.

4.5 Airborne Total Dust

Common dust that is typically identified in buildings usually contains a wide variety of materials including, but not limited to, gypsum crystals, cellulosic particles, fiberglass fragments, mineral grains from soil, fungi spores, fine glass fibers, textile and wood fibers, iron or steel fragments, dead skin cells, insect parts, animal dander, and pollens. Generally, exposure to low levels of such materials does not produce ill effects in most persons. In fact, these so-called *nuisance dusts* have a long history of little adverse effect to the lungs and are not known to produce significant diseases or toxic effects, such as collagen (scar tissue) formation, when exposure are kept under reasonable control.

The data recorded in the surveyed areas showed that airborne total dust was not detected at or above the laboratory analytical detection limit of 0.15 mg/M^3. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data are well below the State of California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) 8-hour time-weighted average (TWA) permissible exposure limit (PEL) for total dust of 10 mg/M^3, as defined in Title 8 of the

4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

California Code of Regulations, Section 5155 (T8, CCR § 5155). Note that these data are also well below the American Conference of Governmental Industrial Hygienists 8-hour TWA threshold limit value (TLV-TWA) for particulate (not otherwise classified) of 10 mg/M^3; the U.S. Environmental Protection Agency (EPA) National Ambient Air Quality Primary Standard of 0.26 mg/M^3 (24-hour standard); and the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE) theoretical value for non-occupational environments of 1/10 of the TLV.

4.6 Airborne Microbial Volatile Organic Compounds

Microbial Volatile Organic Compounds (MVOCs) are composed of low molecular weight alcohols, aldehydes, amines, ketones, terpenes, aromatic and chlorinated hydrocarbons, and sulfur-based compounds that are known to be byproducts of microbial metabolism. MVOCs have a very low odor threshold, thus, making them easily detectable by smell. They often have strong odors and are responsible for the smells generally associated with fungal growth.

The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 270 ng/m^3 to 488 ng/m^3, 2-Hexanone at levels ranging from 40 ng/m^3 to 91 ng/m^3, and 2-Heptanone at levels ranging from 33 ng/m^3 to 106 ng/m^3. Microbial growth related VOCs would not be expected to be present indoors without additional MVOCs such as ethanol, 1-octen-3-ol, 2-octen-1-ol, benzyl cyanide, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that the above mentioned MVOC were found at very low levels indoors would indicate that such MVOCs were most likely not fungal growth related and attributable to personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

4.7 Airborne Volatile Organic Compounds

With the use of a direct-reading photoionization detector, VOCs were either not detected above the instrument detection limit or were detected at 0.1 and 0.2 ppm. Because these data were recorded at stationary locations at approximate breathing zone height, the results are expected to represent building occupant *exposure* potentials for those persons occupying or passing through the areas monitored. These data were well below the surrogate Cal-OSHA PELs that are often used for comparative purposes regarding VOC exposures, such as those for gasoline, hexane, and varnish makers and painters (VM&P) naphtha.

4.8 Airborne Ozone

O_3 was not detected at or above the Dräger instrument detection limits of 0.05 ppm.

4.9 Airborne Carbon Dioxide

On April 14, 2008, the direct-reading results indicated that CO_2 was detected at levels ranging from 474 to 552 ppm on the 4TH Floor. While these data were somewhat higher than the expected outdoor CO_2 levels, which generally range between 320 and 350 ppm, they are considered normal for occupied indoor environments and they are all well below the Cal-OSHA 8-hour TWA PEL for

4.0 DISCUSSION (CONTINUED)

4.9 Airborne Carbon Dioxide

CO_2 of 5000 ppm (T8, CCR, § 5155). They are also below the level of 1000 ppm, which is essentially equivalent to the recommended upper limit for building occupant comfort and odor control established by ASHRAE (not greater than 700 ppm above the outdoor CO_2 value) as stated in ASHRAE 62-2001.

Based on historic studies performed by HygieneTech, building occupant complaints of "stuffy" air often begin when CO_2 levels exceed 800 ppm. HygieneTech has also found that some sensitive persons may experience discomfort, including eye irritation and headache, when CO_2 levels reach 1,000 ppm. Such symptoms are not believed to be the result of an unhealthful exposure to CO_2; rather, they are thought to be the result of exposure to other common indoor air pollutants which, if not exhausted and/or diluted, can accumulate over time.

4.10 Air Temperature and Relative Humidity

On April 14, 2008, the air temperatures ranged between 73.84 and 77.31 degrees Fahrenheit (°F). Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were well within the comfort range recommended for the summer months.

Relative humidity data were recorded indoors at levels ranging from 28.7 to 37.8 percent. Such levels were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.0 CONCLUSIONS

5.1 The airborne total and viable fungi data recorded in the surveyed areas showed airborne fungi levels that were below those recorded outdoors and therefore considered unremarkable. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

5.2 The surface assessment data involving the samples collected from various cubicle partitions surfaces throughout the 4TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, the surface assessment data from the samples collected from the HVAC supply air registers indicated many loose *Alternaria* spores on one of the eight locations sampled. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

5.0 CONCLUSIONS (CONTINUED)

5.3 The airborne total and fibrous dust, VOC, O_3, and $C0_2$ recorded during the survey were unremarkable. Collectively, the data were well below applicable Cal-OSHA 8-hour TWA PELs and/or other occupational, non-occupational, ASHRAE, or foreign guidelines. The data are not expected to represent conditions that pose a measurable health risk to the building occupants.

5.4 The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 270 ng/m^3 to 488 ng/m^3, 2-Hexanone at levels ranging from 40 ng/m^3 to 91 ng/m^3, and 2-Heptanone at levels ranging from 33 ng/m^3 to 106 ng/m^3. Microbial growth related VOCs would not be expected to be present indoors without additional MVOCs such as ethanol, 1-octen-3-ol, 2-octen-1-ol, benzyl cyanide, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that the above mentioned MVOC were found at very low levels indoors would indicate that such MVOCs were most likely not fungal growth related and attributable to personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

5.5 On April 14, 2008, air temperatures ranged between 73.84 and 77.31 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were well within the comfort range recommended for the summer months. Relative humidity data were recorded indoors at levels ranging from 28.7 to 37.8 percent, levels that were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.6 Be advised that the data provided in this report only represent fungal growth and exposure potentials that existed at the time the survey was performed and at the precise sample locations only, the latter of which were selected based on the available background information provided. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the survey.

6.0 RECOMMENDATIONS

All such recommendations are based strictly on the assessment information and analytical data that were available to HygieneTech at the time this report was prepared. Be advised that, in order to establish data that accurately reflects all the fungal growth sites on the 4TH Floor, additional assessment evaluations may be required as more information is known regarding the history of water intrusion episodes in discrete building areas.

6.0 RECOMMENDATIONS (CONTINUED)

6.1 If not yet established, an accurate record of all air monitoring results should be maintained in accordance with Cal-OSHA regulation found in T8, CCR § 3204. All affected employees should be informed that the *exposure potential* data in this report exist and that those persons, or their representatives, have a right to access relevant exposure data and medical records.

6.2 Routine cleaning of the HVAC supply air registers on the 4TH Floor should be performed to preclude the build-up of dust and debris, which may potentially contribute to fungal growth on those surfaces.

6.3 Also be advised that the exposure data recorded during the survey may not be sufficiently broad to adequately assess the suitability of the indoor air quality for all individuals, particularly those who are extremely sensitive to certain chemical and/or biological substances or for those individuals with immune system deficiencies. Although not expected, if persons occupying or passing through the 4TH Floor do experience non-specific ill effects of unknown etiology, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If more information becomes available, further investigation and air monitoring may be warranted.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

Date: August 1, 2008

Brian P. Daly, CIH, PE
President

Date: August 1, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-131
AIRBORNE TOTAL FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24 AND APRIL10, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20803001-TM79OUTJL**	**20803001-TM80JL**	**20803001-TM81JL**	**20803001-TM82JL**
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Column L22 area; Cubicle 139; about center; approximately five feet above floor/Normal office activities	Area between Columns N22 and L22; Cubicle 143; about center; approximately five feet above floor/Normal office activities	Column N22 area; about two feet south of Cubicle 013; approximately five feet above floor/Normal office activities
DATE	03-24-08	03-24-08	03-24-08	03-24-08
START/STOP	10:23:00/10:28:00	10:41:00/10:46:00	10:48:00/10:53:00	10:53:00/10:58:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	1,010			
Aureobasidium				
Basidiospores	5,650	107		53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	1,390	53		
Curvularia				
Epicoccum				
Nigrospora				
Oidium	307			
Other brown			13	
Penicillium/Aspergillus types	1,160	53		
Pithomyces				13
Rusts	27			
Smuts (Periconia, Myxomycetes)	40			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	27	<13	13	<13
Background particulates*	2+	2+	1+	2+
TOTAL**	9,584	213	13	66

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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TABLE 20803001-131
AIRBORNE TOTAL FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24 AND APRIL10, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20803001-TM83JL**	**20803001-TM84JL**	**20803001-TM85JL**	**20803001-TM86JL**
SAMPLING LOCATION/ACTIVITIES	Column N20 area; about two feet south of Cubicle 028; approximately five feet above floor/Normal office activities	Column N20 area; Cubicle 003; about center; approximately five feet above floor/Normal office activities	Column N22 area; about two feet north of Cubicle 012; approximately five feet above floor/Normal office activities	Column N19 area; Cubicle 033; about center; approximately five feet above floor/Normal office activities
DATE	03-24-08	03-24-08	03-24-08	03-24-08
START/STOP	10:58:00/11:03:00	11:05:00/11:10:00	11:11:00/11:16:00	11:18:00/11:23:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	53	53		
Bipolaris/Drechslera group				13
Botrytis				
Chaetomium				
Cladosporium			53	53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora			13	
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	13	13	<13
Background particulates*	1+	2+	1+	1+
TOTAL**	53	53	66	119

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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TABLE 20803001-131
AIRBORNE TOTAL FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24 AND APRIL10, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20803001-TM87JL**	**20803001-TM88JL**	**20803001-TM89JL**	**20803001-TM90JL**
SAMPLING LOCATION/ACTIVITIES	Column N18 area; about two feet south of Cubicle 009; approximately five feet above floor/Normal office activities	Area between Columns N18 and K18; about two feet west of Cubicle 072; approximately five feet above floor/Normal office activities	Column N18 area; Cubicle 065; about center; approximately five feet above floor/Normal office activities	Column K18 area; Cubicle 126; about center; approximately five feet above floor/Normal office activities
DATE	03-24-08	03-24-08	03-24-08	03-24-08
START/STOP	11:24:00/11:29:00	11:31:00/11:36:00	11:37:00/11:42:00	11:44:00/11:49:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		53	107	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	53		53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown		13	13	
Penicillium/Aspergillus types	53		53	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				13
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	13	13
Background particulates*	1+	1+	2+	1+
TOTAL**	106	119	173	66

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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TABLE 20803001-131
AIRBORNE TOTAL FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24 AND APRIL10, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20803001-TM91JL**	**20803001-TM92JL**	**20803001-TM93JL**	**20803001-TM94JL**
SAMPLING LOCATION/ACTIVITIES	Column K18 area; stationary area; about center; approximately five feet above floor/Normal office activities	Column K20 area; Cubicle 110; about center; approximately five feet above floor/Normal office activities	Column K18 area; Cubicle 104; about center; approximately five feet above floor/Normal office activities	Column K22; about one foot north of Cubicle 135; approximately five feet above floor/Normal office activities
DATE	03-24-08	03-24-08	03-24-08	03-24-08
START/STOP	11:50:00/11:55:00	11:57:00/12:02:00	12:03:00/12:08:00	12:10:00/12:15:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium			13	
Cladosporium	53		107	107
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts		27		
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	13	<13	13
Background particulates*	1+	2+	2+	2+
TOTAL**	53	27	120	107

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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Sacramento, California 94279

TABLE 20803001-131
AIRBORNE TOTAL FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24 AND APRIL10, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20803001-TM95JL**	**20803001-TM96OUTJL**	**20804001-TM09CCJL**	**20804001-TM10CCJL**
SAMPLING LOCATION/ACTIVITIES	Column K21 area; about two feet north of Cubicle 112; approximately five feet above floor/Normal office activities	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Column L22 area; Cubicle 138; about center; within ceiling plenum/Sampling activities only	Column K22 area; approximately eight feet east of Cubicle 099; within ceiling plenum/Sampling activities only
DATE	03-24-08	03-24-08	04-10-08	04-10-08
START/STOP	12:17:00/12:22:00	12:29:00/12:34:00	10:32:00/10:37:00	10:41:10:46:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores		587		
Aureobasidium				
Basidiospores		3,570		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	1,170	107	53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium		27		
Other brown		13		
Penicillium/Aspergillus types	53	1,280		107
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	13	13	<13	<13
Background particulates*	1+	3+	1+	2+
TOTAL**	106	6,660	107	160

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-131
AIRBORNE TOTAL FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24 AND APRIL10, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20804001-TM11CCJL**	**20804001-TM12CCJL**	**20804001-TM13CCJL**	**20804001-TM14CCJL**
SAMPLING LOCATION/ACTIVITIES	Column K20 area; about six feet south of Column K20; within ceiling plenum/ Sampling activities only	Column K18 area; Cubicle 102; about center; within ceiling plenum/Sampling activities only	Area between Columns N18 and K18; Cubicle 072; about center; within ceiling plenum/ Sampling activities only	Column N18 area; Cubicle 037; about center; within ceiling plenum/Sampling activities only
DATE	04-10-08	04-10-08	04-10-08	04-10-08
START/STOP	10:51:00/15:56:00	10:59:00/11:04:00	11:08:00/11:13:00	11:17:00/11:22:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	107	53	53	213
Curvularia				
Epicoccum	13			
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)			67	27
Stachybotrys				
Torula				13
Ulocladium				
Hyphal fragments	<13	<13	13	40
Background particulates*	2+	2+	3+	3+
TOTAL**	120	106	120	306

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-131
AIRBORNE TOTAL FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24 AND APRIL10, 2008

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**20803001-TM15CCJL**	**20803001-TM16CCJL**		
SAMPLING LOCATION/ACTIVITIES	Column N20 area; about six feet north of Column N20; within ceiling plenum/ Sampling activities only	Column N22 area; approximately one foot west of Cubicle 043; within ceiling plenum/Sampling activities only	This column intentionally left blank	This column intentionally left blank
DATE	04-10-08	04-10-08		
START/STOP	11:26:00/11:31:00	11:35:00/11:40:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		160		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	107			
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	13	40		
Background particulates*	3+	3+		
TOTAL**	107	160		

Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California

TABLE 20803001-132
AIRBORNE VIABLE FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	20803001-VM31JLOUT	20803001-VM32JL	20803001-VM33JL	20803001-VM34JL
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Column L22 area; Cubicle 139; about center; approximately five feet above floor/Normal office activities	Column N22 area; about two feet south of Cubicle 013; approximately five feet above floor/Normal office activities	Column N20 area; Cubicle 003; about center; approximately five feet above floor/Normal office activities
START/STOP	10:25:00/10:27:00	10:42:00/10:44:00	10:56:00/10:58:00	11:07:00/11:09:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	177			
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi	35			
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	212	<18	<18	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California

TABLE 20803001-132
AIRBORNE VIABLE FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20803001-VM35JL**	**20803001-VM36JL**	**20803001-VM37JL**	**20803001-VM38JL**
SAMPLING LOCATION/ACTIVITIES	Column N19 area; Cubicle 033; about center; approximately five feet above floor/Normal office activities	Area between Columns N18 and K18; about two feet west of Cubicle 072; approximately five feet above floor/Normal office activities	Column K18 area; Cubicle 126; about center; approximately five feet above floor/Normal office activities	Column K20 area; Cubicle 110; about center; approximately five feet above floor/Normal office activities
START/STOP	11:18:00/11:20:00	11:34:00/11:36:00	11:46:00/11:48:00	11:59:00/12:01:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Fusarium				
Memnoniella				
Myrothecium				
Non-sporulating fungi				
Others				
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	<18	<18	<18	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California

TABLE 20803001-132
AIRBORNE VIABLE FUNGI RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

Results reported in colony forming units per cubic meter of air (CFU/M^3)

SAMPLE NUMBER	**20803001-VM39JL**	**20803001-VM40JL**		
SAMPLING LOCATION/ACTIVITIES	Column K22; about one foot north of Cubicle 135; approximately five feet above floor/Normal office activities	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	12:13:00/12:15:00	12:30:00/12:32:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria		53		
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		212		
Curvularia				
Epicoccum		18		
Fusarium				
Memnoniella				
Mucor				
Myrothecium				
Non-sporulating fungi		18		
Paecilomyces				
Penicillium				
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	<18	301		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
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TABLE 20803001-133
SURFACE FUNGAL GROWTH POTENTIALS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 19 AND APRIL10, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
03-19-08	20803001-TL41JL	Column K22 area; Cubicle 112; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL42JL	Column K21 area; Cubicle 091; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL43JL	Column K20 area; Cubicle 082; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL44JL	Column K19 area; Cubicle 105; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL45JL	Column K18 area; Cubicle 125; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL46JL	Column K20 area; Cubicle 130; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL47JL	Column K22 area; Cubicle 135; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL48JL	Column L22 area; Cubicle 100; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL49JL	Column L22 area; Cubicle 139; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL50JL	Column N22 area; Cubicle 145; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL51JL	Column N22 area; Cubicle 043; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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TABLE 20803001-133
SURFACE FUNGAL GROWTH POTENTIALS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 19 AND APRIL10, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
03-19-08	20803001-TL52JL	Column N21 area; Cubicle 001; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL53JL	Column N20 area; Cubicle 022; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL54JL	Column N19 area; Cubicle 005; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL55JL	Column N18 area; Cubicle 038; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL56JL	Column N21 area; Cubicle 047; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL57JL	Column N20 area; Cubicle 053; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL58JL	Column N18 area; Cubicle 064; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL59JL	Column N18 area; Cubicle 068; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-19-08	20803001-TL60JL	Column K18 area; Cubicle 075; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
04-10-08	20804001-S09JL	Column L22 area; Cubicle 138; about center; ceiling; from reverse side of HVAC supply air register	Moderate	Few	None	None	Background
04-10-08	20804001-S10JL	Column K22 area; approximately eight feet east of Cubicle 099; ceiling; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-133
SURFACE FUNGAL GROWTH POTENTIALS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 19 AND APRIL10, 2008

DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
04-10-08	20804001-S11JL	Column K20 area; about six feet south of Column K20; ceiling; from reverse side of HVAC supply air register	Moderate	Few	None	None	Background
04-10-08	20804001-S12JL	Column K18 area; Cubicle 102; about center; ceiling; from reverse side of HVAC supply air register	Moderate	Few	None	None	Background
04-10-08	20804001-S13JL	Area between Columns N18 and K18; Cubicle 072; about center; ceiling; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background
04-10-08	20804001-S14JL	Column N18 area; Cubicle 037; about center; ceiling; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
04-10-08	20804001-S15JL	Column N20 area; about six feet north of Column N20; ceiling; from reverse side of HVAC supply air register	Heavy	Few	None	None	Background
04-10-08	20804001-S16JL	Column N22 area; approximately one foot west of Cubicle 043; ceiling; from reverse side of HVAC supply air register	Moderate	Few	None	Many *Alternaria* spores detected	Possible settling from unknown fungal growth reservoirs

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-134
AIRBORNE FIBERS RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 20, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Column K22 area; about two feet west of Cubicle 114; approximately six feet above floor/Normal office activities	N/A	20803001-F36ME	8:40/ 16:40	480 minutes	Fibers	**<0.004**	0.1
Area Sample	Column K20 area; about eight feet south of Column K20; approximately six feet above floor/Normal office activities	N/A	20803001-F37ME	8:41/ 16:57	496 minutes	Fibers	**0.005**	0.1
Area Sample	Column K18 area; about four feet south of Cubicle 103; approximately six feet above floor/Normal office activities	N/A	20803001-F38ME	8:42/ 16:58	496 minutes	Fibers	**<0.004**	0.1
Area Sample	Area between Columns N18 and K18; about two feet north of Cubicle 070; approximately six feet above floor/Normal office activities	N/A	20803001-F39ME	8:43/ 16:59	496 minutes	Fibers	**<0.004**	0.1
Area Sample	Column N19 area; Cubicle 033; about center; approximately six feet above floor/Normal office activities	N/A	20803001-F40ME	8:44/ 17:01	497 minutes	Fibers	**<0.004**	0.1
Area Sample	Column N20 area; about six feet south of Cubicle 004; approximately six feet above floor/Normal office activities	N/A	20803001-F41ME	8:45/ 17:02	497 minutes	Fibers	**<0.004**	0.1
Area Sample	Area between Columns N22 and K22; about two feet east of Cubicle 144; approximately six feet above floor/Normal office activities	N/A	20803001-F42ME	8:47/ 17:03	496 minutes	Fibers	**0.005**	0.1
Blank	N/A	N/A	20803001-F43BLANKME	N/A	N/A	Fibers	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit
<: Less than
f/cc: Fibers per cubic centimeter of air

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-135
AIRBORNE TOTAL DUST RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
APRIL 3, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Column L22 area; approximately three feet east of Cubicle 139; approximately six feet above floor/Normal office activities	N/A	20804001-TD09JL	10:00/ 15:48	348 minutes	Total dust	**<0.14**	10
Area Sample	Column N22 area; approximately two feet south of Cubicle 013; approximately six feet above floor/Normal office activities	N/A	20804001-TD10JL	10:04/ 15:40	336 minutes	Total dust	**<0.15**	10
Area Sample	Column N20 area; approximately five feet south of Cubicle 004; approximately six feet above floor/Normal office activities	N/A	20804001-TD11JL	10:07/ 15:54	347 minutes	Total dust	**<0.14**	10
Area Sample	Column N18 area; approximately three feet east of Cubicle 064; approximately six feet above floor/Normal office activities	N/A	20804001-TD12JL	10:11/ 15:56	345 minutes	Total dust	**<0.14**	10
Area Sample	Column K18 area; approximately three feet north of Cubicle 102; approximately six feet above floor/Normal office activities	N/A	20804001-TD13JL	10:15/ 15:59	344 minutes	Total dust	**<0.15**	10
Area Sample	Column N20 area; approximately eight feet south of Column N20; approximately six feet above floor/Normal office activities	N/A	20804001-TD14JL	10:19/ 16:01	342 minutes	Total dust	**<0.15**	10
Area Sample	Column K22 area; approximately two feet north of Cubicle 112; approximately six feet above floor/Normal office activities	N/A	20804001-TD15JL	10:24/ 16:06	342 minutes	Total dust	**<0.15**	10
Blank	N/A	N/A	20804001-TD16BLANKJL	N/A	N/A	Total dust	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
mg/M^3: Milligrams per cubic meter

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-136
MICROBIAL VOLATILE ORGANIC COMPOUNDS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 27, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Column K20 area; about eight feet south of Column K20; approximately six feet above floor/Normal office activities	N/A	20803001-M33JL	13:24/ 15:00	96 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol (309)	**270 x10^{-6}**	300
						3-Methyl-2-butanol	**nd**	N/A
						2-Pentanol	**nd**	N/A
						3-Methyl-2-butanol	**nd**	N/A
						Methyl disulfide	**nd**	N/A
						Ethyl isobutyrate	**nd**	N/A
						2-Hexanone	**86 x10^{-6}**	410
						2-Heptanone	**33 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	N/A
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-3-1(methylethyl) pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
mg/M^3: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
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TABLE 20803001-136
MICROBIAL VOLATILE ORGANIC COMPOUNDS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 27, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Area between Column N18 and K18; Cubicle 72; about center; approximately six feet above floor/Normal office activities	N/A	20803001-M34JL	13:27/ 15:02	95 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**488 x10^{-6}**	300
						3-Methyl-2-butanol	**nd**	N/A
						2-Pentanol	**nd**	N/A
						3-Methyl-2-butanol	**nd**	N/A
						Methyl disulfide	**nd**	N/A
						Ethyl isobutyrate	**nd**	N/A
						2-Hexanone	**61 x10^{-6}**	410
						2-Heptanone	**41 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	N/A
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-3-1(methylethyl) pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
mg/M^3: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-136
MICROBIAL VOLATILE ORGANIC COMPOUNDS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 27, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Column N20 area; about eight feet north of Column N20; approximately six feet above floor/Normal office activities	N/A	20803001-M35JL	13:30/ 15:04	94 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**476 x10^{-6}**	300
						3-Methyl-2-butanol	**nd**	N/A
						2-Pentanol	**nd**	N/A
						3-Methyl-2-butanol	**nd**	N/A
						Methyl disulfide	**nd**	N/A
						Ethyl isobutyrate	**nd**	N/A
						2-Hexanone	**91 x10^{-6}**	410
						2-Heptanone	**63 x10^{-6}**	468
						5-Methyl-3-heptanone	**nd**	N/A
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-3-1(methylethyl) pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
mg/M^3: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-136
MICROBIAL VOLATILE ORGANIC COMPOUNDS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 27, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m^3)	PEL (mg/m^3)
Area Sample	Area between Column N22 and L22; Cubicle 142; about center; approximately six feet above floor/Normal office activities	N/A	20803001-M36JL	13:33/ 15:06	93 minutes	3-Methylfuran	**nd**	N/A
						2-Methyl-1-propanol	**nd**	N/A
						1-Butanol	**323 $x10^{-6}$**	300
						3-Methyl-2-butanol	**nd**	N/A
						2-Pentanol	**nd**	N/A
						3-Methyl-2-butanol	**nd**	N/A
						Methyl disulfide	**nd**	N/A
						Ethyl isobutyrate	**nd**	N/A
						2-Hexanone	**40 $x10^{-6}$**	410
						2-Heptanone	**106 $x10^{-6}$**	468
						5-Methyl-3-heptanone	**nd**	N/A
						1-Octen-3-ol	**nd**	N/A
						3-Octanone	**nd**	N/A
						3-Octanol	**nd**	N/A
						2-Pentylfuran	**nd**	N/A
						2-Octen-1-ol	**nd**	N/A
						2-Methoxy-3-1(methylethyl) pyrazine	**nd**	N/A
						2-Nonanone	**nd**	N/A
						Fenchone	**nd**	N/A
						2-Methyl-isoborneol	**nd**	N/A
						a-Terpineol	**nd**	N/A
						Borneol	**nd**	N/A
						Geosmin	**nd**	N/A
						Thujopsene	**nd**	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
mg/M^3: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20803001-137
DIRECT-READING RESULTS
4TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 24, 2008

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Column K22 area; approximately five feet above floor/Normal office activities	10:45/ 10:49	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Column K81 area; about five feet above floor/Normal office activities	10:58/ 11:04	Volatile Organic Compounds Ozone	ND <0.1 ND <0.05	N/A
Column N18 area; approximately five feet above floor/Normal office activities	11:11/11:17	Volatile Organic Compounds Ozone	0.1 ND <0.05	N/A
Column N22 area; approximately five feet above floor/Normal office activities	11:25/ 11:32	Volatile Organic Compounds Ozone	0.2 ND <0.05	N/A

LEGEND

ND: Not detected
<: Less than
N/A: Not applicable
ppm: Parts per million

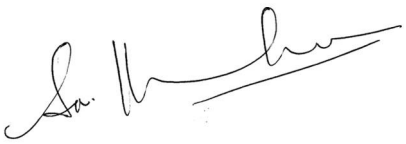
EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20803001
EML ID: 403391

Approved by:



Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Spore trap analysis: 03-27-2008

Project SOPs: Spore trap analysis (I100000)

EMLab P&K
3800 Watt Ave., Suite 145, Sacramento, CA 95821
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 03-27-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM79outJL		20803001-TM80JL		20803001-TM81JL		20803001-TM82JL	
Comments (see below)	A		None		None		None	
Lab ID-Version‡:	1770997-1		1770998-1		1770999-1		1771000-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	19	1,010						
Aureobasidium								
Basidiospores*	106	5,650	2	107			1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	26	1,390	1	53				
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium	23	307						
Other brown					1	13		
Other colorless								
Penicillium/Aspergillus types†	54	1,160	1	53				
Pithomyces							1	13
Rusts*	2	27						
Smuts*, Periconia, Myxomycetes*	3	40						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		1+		2+	
Hyphal fragments/m3	27		< 13		13		< 13	
Pollen/m3	4,150		27		< 13		13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		9,584		213		13		66

Comments: A) 43 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
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Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 03-27-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM83JL		20803001-TM84JL		20803001-TM85JL		20803001-TM86JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1771001-1		1771002-1		1771003-1		1771004-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	53	1	53				
Bipolaris/Drechslera group							1	13
Botrytis								
Chaetomium								
Cladosporium					1	53	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora					1	13		
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†							1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		2+		1+		1+	
Hyphal fragments/m3	< 13		13		13		< 13	
Pollen/m3	13		67		13		40	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		53		53		66		119

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
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Re: 20803001

Date of Sampling: 03-24-2008
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Date of Report: 03-27-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM87JL		20803001-TM88JL		20803001-TM89JL		20803001-TM90JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1771005-1		1771006-1		1771007-1		1771008-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	53	2	107		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53	1	53			1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown			1	13	1	13		
Other colorless								
Penicillium/Aspergillus types†	1	53			1	53		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*							1	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		1+		2+		1+	
Hyphal fragments/m3	< 13		< 13		13		13	
Pollen/m3	27		27		13		13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		106		119		173		66

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM91JL		20803001-TM92JL		20803001-TM93JL		20803001-TM94JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1771009-1		1771010-1		1771011-1		1771012-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium					1	13		
Cladosporium	1	53			2	107	2	107
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*			2	27				
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		2+		2+		2+	
Hyphal fragments/m3	< 13		13		< 13		13	
Pollen/m3	< 13		27		13		40	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		53		27		120		107

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 03-27-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM95JL		20803001-TM96outJL	
Comments (see below)	None		None	
Lab ID-Version‡:	1771013-1		1771014-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13
Arthrinium				
Ascospores*			11	587
Aureobasidium				
Basidiospores*			67	3,570
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	1	53	22	1,170
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium			2	27
Other brown			1	13
Other colorless				
Penicillium/Aspergillus types†	1	53	24	1,280
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	1+		3+	
Hyphal fragments/m3	13		13	
Pollen/m3	13		3,030	
Skin cells (1-4+)	1+		1+	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		106		6,660

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 03-27-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20803001-TM79outJL

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: March				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	210	43	7	27	230	60
Bipolaris/Drechslera group	-	7	13	120	12	7	13	120	14
Chaetomium	-	7	13	120	8	7	13	110	19
Cladosporium	1,390	27	320	4,300	91	53	640	6,500	98
Curvularia	-	7	13	210	7	7	13	210	7
Nigrospora	-	7	13	110	7	7	13	170	8
Other brown	-	7	13	80	34	7	13	80	37
Penicillium/Aspergillus types	1,160	27	160	1,600	82	40	210	2,500	88
Stachybotrys	-	7	13	310	3	7	13	330	5
Torula	-	7	13	170	8	7	13	150	13
Seldom found growing indoors**									
Ascospores	1,010	13	130	2,000	74	13	110	1,800	73
Basidiospores	5,650	13	320	5,700	90	13	270	6,900	95
Oidium	307	7	13	330	14	7	13	200	20
Rusts	27	7	13	320	17	7	13	270	29
Smuts, Periconia, Myxomycetes	40	7	27	310	54	8	40	470	71
TOTAL SPORES/M3	9,584								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 03-27-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20803001-TM96outJL

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: March				Typical Outdoor Data by Location‡ State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	13	7	27	210	43	7	27	230	60
Bipolaris/Drechslera group	-	7	13	120	12	7	13	120	14
Chaetomium	-	7	13	120	8	7	13	110	19
Cladosporium	1,170	27	320	4,300	91	53	640	6,500	98
Curvularia	-	7	13	210	7	7	13	210	7
Nigrospora	-	7	13	110	7	7	13	170	8
Other brown	13	7	13	80	34	7	13	80	37
Penicillium/Aspergillus types	1,280	27	160	1,600	82	40	210	2,500	88
Stachybotrys	-	7	13	310	3	7	13	330	5
Torula	-	7	13	170	8	7	13	150	13
Seldom found growing indoors**									
Ascospores	587	13	130	2,000	74	13	110	1,800	73
Basidiospores	3,570	13	320	5,700	90	13	270	6,900	95
Oidium	27	7	13	330	14	7	13	200	20
Rusts	-	7	13	320	17	7	13	270	29
Smuts, Periconia, Myxomycetes	-	7	27	310	54	8	40	470	71
TOTAL SPORES/M3	6,660								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K
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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 03-27-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20803001-TM79outJL:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	1,010	13 - 160 - 4,200	76
Basidiospores	5,650	13 - 320 - 14,000	92
Cladosporium	1,390	40 - 530 - 8,400	94
Oidium	307	7 - 13 - 230	15
Penicillium/Aspergillus types	1,160	27 - 210 - 2,600	85
Rusts	27	7 - 14 - 310	23
Smuts, Periconia, Myxomycetes	40	7 - 40 - 760	70
Total	9,584		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 20803001-TM80JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.9018 Critical value: 0.6786 Outside Similar: Yes	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	107
Cladosporium	53
Penicillium/Aspergillus types	53
Total	213

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Date of Report: 03-27-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM81JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 8 Result: 0.0000 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	13
Total	13

Location: 20803001-TM82JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.2917 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Pithomyces	13
Total	66

Location: 20803001-TM83JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6875 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Total	53

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM84JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6875 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Total	53

Location: 20803001-TM85JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.1845 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	53
Nigrospora	13
Total	66

Location: 20803001-TM86JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.3036 Critical value: 0.6190 Outside Similar: No	Score: 106 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Bipolaris/Drechslera group	13
Cladosporium	53
Penicillium/Aspergillus types	53
Total	119

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM87JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.5625 Critical value: 0.6786 Outside Similar: No	Score: 106 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	53
Penicillium/Aspergillus types	53
Total	106

Location: 20803001-TM88JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.5179 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Cladosporium	53
Other brown	13
Total	119

Location: 20803001-TM89JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.4286 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	107
Other brown	13
Penicillium/Aspergillus types	53
Total	173

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM90JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.2500 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Cladosporium				53
Smuts, Periconia, Myxomycetes				13
Total				66

Location: 20803001-TM91JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.5625 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Cladosporium				53
Total				53

Location: 20803001-TM92JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: -0.0625 Critical value: 0.6786 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Rusts				27
Total				27

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM93JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.1845 Critical value: 0.6190 Outside Similar: No	Score: 121 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Chaetomium	13
Cladosporium	107
Total	120

Location: 20803001-TM94JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.5625 Critical value: 0.6786 Outside Similar: No	Score: 106 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	107
Total	107

Location: 20803001-TM95JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.5625 Critical value: 0.6786 Outside Similar: No	Score: 106 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Penicillium/Aspergillus types	53
Total	106

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* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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Outdoor Summary: 20803001-TM96outJL:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	13	7 - 27 - 380	54
Ascospores	587	13 - 160 - 4,200	76
Basidiospores	3,570	13 - 320 - 14,000	92
Cladosporium	1,170	40 - 530 - 8,400	94
Oidium	27	7 - 13 - 230	15
Other brown	13	7 - 13 - 93	35
Penicillium/Aspergillus types	1,280	27 - 210 - 2,600	85
Smuts, Periconia, Myxomycetes	ND	7 - 40 - 760	70
Total	6,660		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 20803001-TM80JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.9107 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	107
Cladosporium	53
Penicillium/Aspergillus types	53
Total	213

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM81JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.0089 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	13
Total	13

Location: 20803001-TM82JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.2976 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Pithomyces	13
Total	66

Location: 20803001-TM83JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6964 Critical value: 0.6786 Outside Similar: Yes	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Total	53

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM84JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6964 Critical value: 0.6786 Outside Similar: Yes	Score: 103 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Basidiospores				53
Total				53

Location: 20803001-TM85JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.0833 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Cladosporium				53
Nigrospora				13
Total				66

Location: 20803001-TM86JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.3095 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Bipolaris/Drechslera group				13
Cladosporium				53
Penicillium/Aspergillus types				53
Total				119

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Location: 20803001-TM87JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.5714 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	53
Penicillium/Aspergillus types	53
Total	106

Location: 20803001-TM88JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.4554 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Cladosporium	53
Other brown	13
Total	119

Location: 20803001-TM89JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.6071 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	107
Other brown	13
Penicillium/Aspergillus types	53
Total	173

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-24-2008
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Date of Report: 03-27-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM90JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.0833 Critical value: 0.6190 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Cladosporium				53
Smuts, Periconia, Myxomycetes				13
Total				66

Location: 20803001-TM91JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.4464 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Cladosporium				53
Total				53

Location: 20803001-TM92JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.0000	dF: 8 Result: 0.0060 Critical value: 0.6190 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100	1K	10K	>100K
Rusts				27
Total				27

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM93JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.0833 Critical value: 0.6190 Outside Similar: No	Score: 121 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Chaetomium	13
Cladosporium	107
Total	120

Location: 20803001-TM94JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.4464 Critical value: 0.6786 Outside Similar: No	Score: 106 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	107
Total	107

Location: 20803001-TM95JL

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 15 Result: 2.9029 Critical value: 24.9958 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.5714 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Penicillium/Aspergillus types	53
Total	106

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MoldSTAT™: Supplementary Statistical Spore Trap Report

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20803001-TM79outJL

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		26	1,390
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		54	1,160
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		19	1,010
Basidiospores††		106	5,650
Oidium		23	307
Rusts		2	27
Smuts, Periconia, Myxomycetes††		3	40
Total			**9,584**

Location: 20803001-TM80JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		101
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		104
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		2	107		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**213**	**Final MoldSCORE**	**104**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM81JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**13**	**Final MoldSCORE**	**105**

Location: 20803001-TM82JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Pithomyces		1	13		105
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		101
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**66**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM83JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		102
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**102**

Location: 20803001-TM84JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		102
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**102**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM85JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**66**	**Final MoldSCORE**	**105**

Location: 20803001-TM86JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		1	13		105
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		106
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**119**	**Final MoldSCORE**	**106**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM87JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		106
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**106**	**Final MoldSCORE**	**106**

Location: 20803001-TM88JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**119**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM89JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		1	53		105
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		2	107		101
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**173**	**Final MoldSCORE**	**105**

Location: 20803001-TM90JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		1	13		103
Total			**66**	**Final MoldSCORE**	**103**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM91JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**103**

Location: 20803001-TM92JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		2	27		111
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**27**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM93JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		1	13		121
Cladosporium		2	107		106
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**120**	**Final MoldSCORE**	**121**

Location: 20803001-TM94JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		106
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**106**

EMLab P&K
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(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 03-27-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM95JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		106
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**106**	**Final MoldSCORE**	**106**

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20803001-TM96outJL

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		1	13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		22	1,170
Curvularia		ND	< 13
Nigrospora		ND	< 13
Other brown		1	13
Penicillium/Aspergillus types†		24	1,280
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores††		11	587
Basidiospores††		67	3,570
Oidium		2	27
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes††		ND	< 13
Total			**6,660**

Location: 20803001-TM80JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		101
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		102
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		2	107		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**213**	**Final MoldSCORE**	**102**

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Re: 20803001

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM81JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**13**	**Final MoldSCORE**	**105**

Location: 20803001-TM82JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Pithomyces		1	13		105
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		102
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**66**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM83JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		103
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**103**

Location: 20803001-TM84JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		103
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**103**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM85JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**66**	**Final MoldSCORE**	**105**

Location: 20803001-TM86JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		1	13		105
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		105
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**119**	**Final MoldSCORE**	**105**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM87JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		105
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**106**	**Final MoldSCORE**	**105**

Location: 20803001-TM88JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**119**	**Final MoldSCORE**	**105**

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Re: 20803001

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM89JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		1	53		103
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		2	107		101
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**173**	**Final MoldSCORE**	**105**

Location: 20803001-TM90JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		1	13		103
Total			**66**	**Final MoldSCORE**	**103**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM91JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**103**

Location: 20803001-TM92JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		2	27		111
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**27**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM93JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		1	13		121
Cladosporium		2	107		105
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**120**	**Final MoldSCORE**	**121**

Location: 20803001-TM94JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	107		106
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**106**

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM95JL

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		105
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores††		ND	< 13		100
Basidiospores††		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes††		ND	< 13		100
Total			**106**	**Final MoldSCORE**	**105**

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

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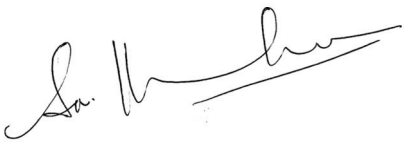
Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20803001
EML ID: 403391

Approved by:



Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 04-01-2008
Spore trap analysis: 03-27-2008

Project SOPs: Culturable air fungi (Incl. Asp spp.) (I100002), Spore trap analysis (I100000)

EMLab P&K
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 04-01-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM31outJL		20803001-VM32JL		20803001-VM33JL		20803001-VM34JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1770987-1		1770988-1		1770989-1		1770990-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	10	177						
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi	2	35						
Paecilomyces								
Penicillium								
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		212		< 18		< 18		< 18

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 04-01-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM35JL		20803001-VM36JL		20803001-VM37JL		20803001-VM38JL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1770991-1		1770992-1		1770993-1		1770994-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi								
Paecilomyces								
Penicillium								
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		< 18		< 18		< 18		< 18

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

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Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-24-2008
Date of Receipt: 03-25-2008
Date of Report: 04-01-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM39JL		20803001-VM40outJL	
Comments (see below)	None		None	
Lab ID-Version‡:	1770995-1		1770996-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria			3	53
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger				
Aspergillus ochraceus				
Aspergillus versicolor				
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			12	212
Curvularia				
Epicoccum			1	18
Fusarium				
Non-sporulating fungi			1	18
Paecilomyces				
Penicillium				
Phoma				
Rhizopus				
Stachybotrys chartarum				
Ulocladium				
Yeasts				
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		< 18		301

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
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‡ A "Version" greater than 1 indicates amended data.

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2174 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/25/08

Project Contact: Wes Frey Turnaround Required: standard

Lab Destination: EM Lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-VM31OUTSL	56.6L	MEA	Viable fungi ID
-VM32SL			
-VM33SL			
-VM34SL			
-VM35SL			
-VM36SL			
-VM37SL			
-VM38SL			
-VM39SL			
-VM40OUTSL	↓	↓	↓
-TM79OUTSL	75L	allergenco D	Total fungi ID
-TM80SL			
-TM81SL			
-TM82SL			
-TM83SL			
-TM84SL	↓	↓	↓

Special Instructions:

1. Sampled by: John Le 3/24/08 1300 Received by: Elm J 3/24/008 1300
2. Relinquished by: Elm J 3/25/08 1130 Received by: [illegible]
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only:

40251

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/25/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TM85JL	75L	allergenco D	Total Fungi ID
-TM86JL			
-TM87JL			
-TM88JL			
-TM89JL			
-TM90JL			
-TM91JL			
-TM92JL			
-TM93JL			
-TM94JL			
-TM95JL			
-TM96OUTJL			

Special Instructions:

1. Sampled by: John Le 3/24/08 1300 Received by: [illegible] 3/24/08 1300
2. Relinquished by: [illegible] 3/25/08 11:30 Received by: [illegible] 3/25/08 11:30 AM
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only:

40591

EMLab P&K
3800 Watt Ave., Suite 145, Sacramento, CA 95821
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. John Le
Re: 20804001

Date of Receipt: 04-11-2008
Date of Report: 04-14-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20804001-TM09CCJL		20804001-TM10CCJL		20804001-TM11CCJL		20804001-TM12CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1801683-1		1801684-1		1801685-1		1801686-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*							1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	2	107	1	53	2	107	1	53
Curvularia								
Epicoccum					1	13		
Fusarium								
Myrothecium								
Nigrospora								
Other colorless								
Penicillium/Aspergillus types†			2	107				
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		2+		2+		2+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		107		160		120		106

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

EMLab P&K
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Client: Hygiene Technologies International, Inc.
C/O: Mr. John Le
Re: 20804001

Date of Receipt: 04-11-2008
Date of Report: 04-14-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20804001-TM13CCJL		20804001-TM14CCJL		20804001-TM15CCJL		20804001-TM16CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1801687-1		1801688-1		1801689-1		1801690-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53	4	213			3	160
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other colorless								
Penicillium/Aspergillus types†			1	53	2	107		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	5	67	2	27				
Stachybotrys								
Stemphylium								
Torula			1	13				
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		3+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		120		306		107		160

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Client: Hygiene Technologies International, Inc.
C/O: Mr. John Le
Re: 20804001

Date of Sampling: 04-10-2008
Date of Receipt: 04-11-2008
Date of Report: 04-14-2008

DIRECT MICROSCOPIC EXAMINATION REPORT
(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1801667-1: Swab sample 20804001-S01JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1801668-1: Swab sample 20804001-S02JL				
Heavy	Few	None	Many *Ulocladium* spores detected.	Mold growth in vicinity?
Lab ID-Version: 1801669-1: Swab sample 20804001-S03JL				
Heavy	Few	None	Many *Ulocladium* and *Cladosporium* spores detected.	Mold growth in vicinity?
Lab ID-Version: 1801670-1: Swab sample 20804001-S04JL				
Heavy	Few	None	Many *Ulocladium* and colorless spores typical of *Penicillium* / *Aspergillus* detected.	Mold growth in vicinity?
Lab ID-Version: 1801671-1: Swab sample 20804001-S05JL				
Heavy	Few	None	Many colorless spores typical of *Penicillium* / *Aspergillus* detected.	Mold growth in vicinity?
Lab ID-Version: 1801672-1: Swab sample 20804001-S06JL				
Heavy	Few	None	Many colorless spores typical of *Penicillium* / *Aspergillus* detected.	Mold growth in vicinity?
Lab ID-Version: 1801673-1: Swab sample 20804001-S07JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1801674-1: Swab sample 20804001-S08JL				
Heavy	Few	None	Many *Alternaria* spores detected.	Mold growth in vicinity?
Lab ID-Version: 1801675-1: Swab sample 20804001-S09JL				
Moderate	Few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1801676-1: Swab sample 20804001-S10JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1801677-1: Swab sample 20804001-S11JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1801678-1: Swab sample 20804001-S12JL				
Moderate	Few	None	None	Normal trapping
Lab ID-Version: 1801679-1: Swab sample 20804001-S13JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1801680-1: Swab sample 20804001-S14JL				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1801681-1: Swab sample 20804001-S15JL				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 1801682-1: Swab sample 20804001-S16JL				
Moderate	Few	None	Many *Alternaria* spores detected.	Mold growth in vicinity?

‡ A "Version" greater than 1 indicates amended data.

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20804001 Date Submitted: 4/10/08

Project Contact: Wes Frey Turnaround Required: standard

Lab Destination: EM lab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20804001-S09JL	N/A	swab	surface fungi ID qualitative
-S10JL			
-S11JL			
-S12JL			
-S13JL			
-S14JL			
-S15JL			
-S16JL	↓	↓	↓
-TM09CCJL	75L	allergenco D	total fungi ID
-TM10CCJL			
-TM11CCJL			
-TM12CCJL			
-TM13CCJL			
-TM14CCJL			
-TM15CCJL			
-TM16CCJL	↓	↓	↓

Special Instructions: _____

1. Sampled by: John Le 4/10/08 1200 Received by: Cassandra Cooley 04/11/08 4:00pm
2. Relinquished by: _____ Received by: _____
3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:

5h10h5

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20804001 Date Submitted: 4/11/08

Project Contact: Wes Frey Turnaround Required: standard

Lab Destination: EMLabs Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20804001-S01JL	N/A	swab	surface fungi ID qualitative
-S02JL			
-S03JL			
-S04JL			
-S05JL			
-S06JL			
-S07JL			
-S08JL			

Special Instructions:

1. Sampled by: John Le 4/4/08 1500 Received by: Cassandra Cooley 4/11/08 4:00pm
2. Relinquished by: Received by:
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only:

410H5

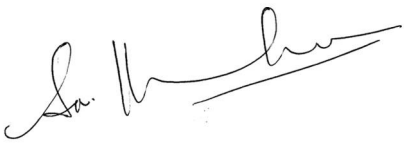
EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20803001
EML ID: 401910

Approved by:



Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Direct microscopic exam (Qualitative): 03-24-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100005)

EMLab P&K
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.: Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-19-2008
Date of Receipt: 03-20-2008
Date of Report: 03-24-2008

DIRECT MICROSCOPIC EXAMINATION REPORT
(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1764446-1: Tape sample 20803001-TL41JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764447-1: Tape sample 20803001-TL42JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764448-1: Tape sample 20803001-TL43JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764449-1: Tape sample 20803001-TL44JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764450-1: Tape sample 20803001-TL45JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764451-1: Tape sample 20803001-TL46JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764452-1: Tape sample 20803001-TL47JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764453-1: Tape sample 20803001-TL48JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764454-1: Tape sample 20803001-TL49JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764455-1: Tape sample 20803001-TL50JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764456-1: Tape sample 20803001-TL51JL				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1764457-1: Tape sample 20803001-TL52JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764458-1: Tape sample 20803001-TL53JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764459-1: Tape sample 20803001-TL54JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764460-1: Tape sample 20803001-TL55JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764461-1: Tape sample 20803001-TL56JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764462-1: Tape sample 20803001-TL57JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764463-1: Tape sample 20803001-TL58JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764464-1: Tape sample 20803001-TL59JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1764465-1: Tape sample 20803001-TL60JL				
Light	Very few	None	None	Normal trapping

‡ A "Version" greater than 1 indicates amended data.

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www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/19/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TL41JL	N/A	tape	surface fungi ID qualitative
-TL42JL			
-TL43JL			
-TL44JL			
-TL45JL			
-TL46JL			
-TL47JL			
-TL48JL			
-TL49JL			
-TL50JL			
-TL51JL			
-TL52JL			
-TL53JL			
-TL54JL			
-TL55JL			
-TL56JL			

Special Instructions:

1. Sampled by: John Le 3/19/08 1200 Received by: [illegible] 3/20/08 1PM
2. Relinquished by: Mikka Em 3/19/08 17:30 Received by:
3. Relinquished by: Drop Box Received by:

Please include signature, date, and time

Lab Use Only:

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(310) 370-2474 FAX
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Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/19/08

Project Contact: Wes Frey Turnaround Required: Standard

Lab Destination: EM lab Lab Contact:

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TL57JL	N/A	tape	surface fungi ID qualitative
-TL58JL	↓	↓	↓
-TL59JL			
-TL60JL			

Special Instructions:

1. Sampled by: John Le 3/19/08 1200 Received by: [illegible] 3/20/08 [illegible]
2. Relinquished by: [illegible] 3/19/08 17:30 Received by:
3. Relinquished by: [illegible] Received by:

Please include signature, date, and time

Lab Use Only:

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